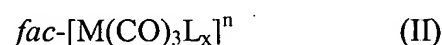


## AMENDMENTS OF THE CLAIMS

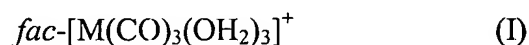
This listing of claims will replace all prior versions and listings of claims in the application:

### Listing of Claims:

1. (Canceled):
2. (Canceled):
3. (Canceled):
4. (Canceled):
5. (Canceled):
6. (Twice Amended): A method of preparing a compound of formula:



comprising reacting a ligand  $L_x$  with a compound of formula (I)



wherein:

M is Mn,  $^{99m}\text{Tc}$ ,  $^{186}\text{Re}$  or  $^{188}\text{Re}$ ;

$L_x$  is a non-aromatic aminopolycarboxylate multidentate selected from the group consisting of diethylenetriamine-pentaacetic acid (DTPA), ethylenediaminetetraacetic acid (EDTA), 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid (DOTA), iminodiacetic acid (IDA), nitrilotriacetic acid (NTA), and triazacyclononanetriacetate.

and

n is a charge of the ligand  $L_x$  increased with one + charge.

7. (original): The method of claim 6, wherein the reaction with ligand  $L_x$  takes place in the presence of a halide.

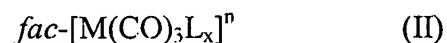
8. (Canceled)
9. (Canceled)
10. (original): The method of claim 6 wherein said method is performed between about 20°C and 100°C.

11. (original): The method of claim 6 wherein said method is performed at about 75°C.

12. (Canceled)

14. (original): The method of claim 6 wherein said ligand is tridentate.

15. (Twice Amended): A compound of formula:



wherein:

M is Mn, <sup>99m</sup>Tc, <sup>186</sup>Re or <sup>188</sup>Re;

L<sub>x</sub> is a non-aromatic multidentate aminopolycarboxylate ligand containing at least three carboxylate groups selected from the group consisting of diethylenetriamine-pentaacetic acid (DTPA), ethylenediaminetetraacetic acid (EDTA), 1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic acid (DOTA), iminodiacetic acid (IDA), nitrilotriacetic acid (NTA), and triazacyclononanetriacetate; and

n is the sum of the charge of the ligands L<sub>x</sub>.

16. (original): The compound of claim 15, wherein L<sub>x</sub> is not a bidentate ligand.
17. (Canceled)
18. (Canceled)
19. (Canceled)

20. (Canceled):
21. (Canceled)
22. (Canceled):
23. (original): A kit for carrying out the method of claim 6, comprising a lyophilized formulation including a basic borate buffer, a reducing agent soluble in water but not substantially decomposed by water and a metal M which is Mn,  $^{99m}\text{Tc}$ ,  $^{186}\text{Re}$  or  $^{188}\text{Re}$ .
24. (original): The kit of claim 23 wherein said reducing agent is  $\text{KBH}_4$ .
25. (original): The kit of claim 23 wherein said formulation further includes lactose.
26. (original): The kit of claim 23 wherein said formulation further includes L-tartaric acid.
27. (Canceled)
28. (previously presented): The kit of claim 23 wherein  $\text{L}_x$  is not a bidentate ligand.
29. (Canceled)